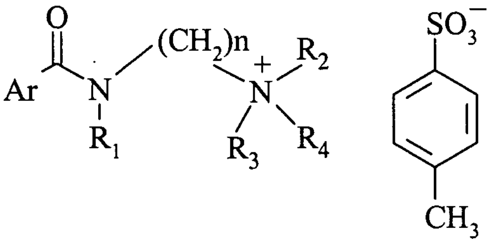
What is claimed is

1. A process for preparing cinnamidoalkylamine and / or benzamidoalkylamine quaternary compounds of Formula I, wherein;



Formula I

ArCO is selected from *p-N,N*-dimethylamino benzoyl or *p*-methoxy cinnamoyl;

R_1 is selected from H or alkyl groups containing from 1 to 6 carbon atoms;

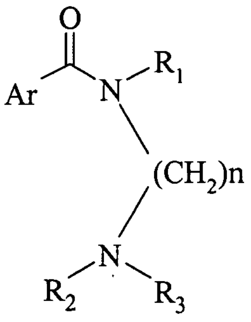
R_2 and R_3 are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

R_4 is selected from alkyl or alkenyl groups containing from 8 to 22 carbons; and

n is an integer having values from 1 to 6, the process comprising steps of

(i) quaternisation of 1.0 mole of cinnamidoalkylamine and / or benzamidoalkylamine of Formula II with 1.0 mole of alkylating compound of Formula III, wherein, R_1, R_2, R_3, R_4 and n is same as that in the compound of said Formula I and X^- is tosylate anion, with or without solvent, to obtain a quaternary ammonium halide of Formula IV;

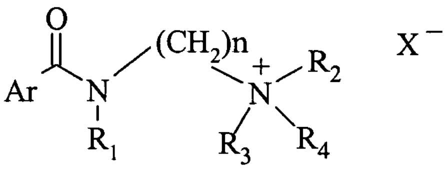
II



III

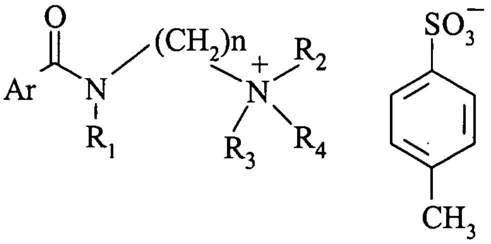
R_4-X

IV



(ii) treating the aqueous solution of quaternary halide of Formula IV obtained in step (i) with stoichiometric quantities of sodium *p*-toluene sulphonate to get water insoluble quaternary ammonium tosylate of Formula I.

2. A quaternary ammonium salt of cinnamidoalkyl amine of Formula I,



Formula I

where

ArCO is *p*-methoxy cinnamoyl;

R_1 is hydrogen;

R_2 and R_3 are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

R_4 is selected from alkyl or alkenyl groups containing from 8 to 22 carbons; and

n is an integer having values from 1 to 6.

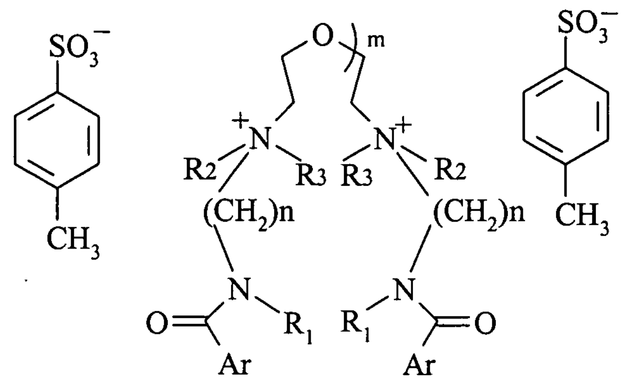
3. A process according to claim 1 wherein the compound of Formula I is a quaternary ammonium salt of cinnamidoalkyl amine of Formula I where ArCO is *p*-methoxy cinnamoyl; R_1 is hydrogen; R_2 and R_3 are independently selected from alkyl groups containing from 1 to 12 carbon atoms; R_4 is selected from alkyl or alkenyl groups containing from 8 to 22 carbons; and n is an integer having values from 1 to 6.

4. A process according to claim 1, wherein when ArCO is *p*-methoxy cinnamoyl, R_1 is H, R_2 and R_3 is $-CH_3$, R_4 is $-C_{12}H_{25}$ and n is 3.

5. A process according to claim 1, wherein when ArCO is *p-N,N*-dimethyl amino benzoyl, R_1 is H, R_2 and R_3 is $-CH_3$,.R_4 is $-C_{12}H_{25}$ and n is 3.

6. A process for preparing quaternary ammonium tosylates of Formula VI,

VI



where; ArCO is selected from *p-N,N*-dimethylamino benzoyl and / or *p*-methoxy cinnamoyl;

R_1 is selected from H or alkyl groups containing from 1 to 6 carbon atoms;

R_2 and R_3 are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

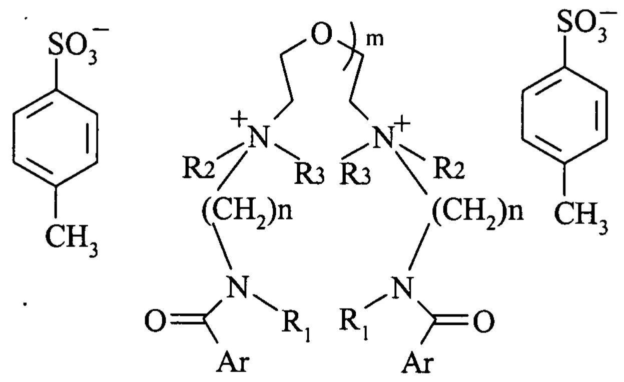
n is an integer having values from 1 to 6; and

m is an integer having values from 1 to 10;

comprising reacting a compound of Formula V with sodium *p*-toluene sulphonate, the respective substituents ArCO, R_1,R_2, R_3, n and m of Formula V, being as defined for the compounds of Formula VI in this claim.

7. A water insoluble quaternary ammonium bis tosylates of Formula VI;

VI



wherein; ArCO is selected from *p-N,N*-dimethylamino benzoyl and / or *p*-methoxy cinnamoyl;

R_1 is selected from H or alkyl groups containing from 1 to 6 carbon atoms,

R_2 and R_3 are independently selected from alkyl groups containing from 1 to 12 carbon atoms;

n is an integer having values from 1 to 6; and

m is an integer having values from 1 to 10.